

## DETAILED ACTION

### *Oath/Declaration*

1. The new Oath/Declaration were received on 09-24-04. These drawings are acceptable.

### *Allowable Subject Matter*

2. Claims 1-4, 6-7, 10-18, 20-21, 23-28, 30, 32, & 34-59 are allowed.

The following is an examiner's statement of reasons for allowance:

Prior art reference, taken along or in combination, do not teach or render obvious that a device for sensing a light comprising a light sensor region and a semiconductor switch region adjacent to and operatively connected with said light sensor region over an insulating substrate having a block layer, wherein a semiconductor region of the light sensor region and an active region of the semiconductor switch comprises a same semiconductor layer,

wherein the semiconductor layer has a semi-amorphous structure formed on the blocking layer over the insulating substrate, and wherein a raman spectrum of the semi-amorphous structure exhibits a peak deviated from that which stands for single crystal for the semiconductor or

wherein the semiconductor layer has lattice distortion and the peak of laser raman spectrum of the semiconductor layer is shifted to a lower wavenumber than 520  $\text{cm}^{-1}$  or

wherein a raman spectrum of the semiconductor layer exhibits a peak deviated from that which stands for a single crystal for the semiconductor and the semiconductor layer comprises hydrogen doped silicon or

wherein the semiconductor layer has a semi-amorphous structure comprising a mixture of amorphous and crystalline structure, in which a raman spectrum of the semiconductor film exhibits a peak deviated from that which stands of a single crystal of the semiconductor.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donghee Kang whose telephone number is 571-272-1656. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 2811

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**DONGHEE KANG**  
**PRIMARY EXAMINER**

dhk